

The microscopic examination made of pollen of the parents and hybrid by Dr. Edward T. Browne is gratefully acknowledged. In *M. media* 20% of 69 grains appeared aberrant, in the other parent 28% of 219 grains, and in the hybrid 25% of 223 grains. These pollen data do not suggest a distant relationship for the two parents. However, the nature of the relationship needs to be solved. It is hoped that someone may have the opportunity, which I do not have, to attempt artificial crosses and to make backcrosses to the two parents, thus providing data concerning the compatibility of the parental types. — DEPARTMENT OF BOTANY, UNIVERSITY OF GEORGIA.

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NEW COMBINATIONS IN THELYPTERIS

GEORGE R. PROCTOR

In preparing an account of the ferns for a forthcoming volume on the flora of the Lesser Antilles¹, the writer is recognizing a total of 35 species in the genus *Thelypteris* for this geographic area. A number of these have not previously been formally transferred to this genus (or, in one case, was published in an illegitimate combination): the following new combinations are therefore necessary:

THELYPTERIS ABRUPTA (Desv.) comb. nov., based on *Polypodium abruptum* Desv., *Mém. Soc. Linn. Paris* 6:293. 1827. (Type from the West Indies without exact locality). (Not *Dryopteris abrupta*

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(Kunze) Ktze., 1891). Syn. *Dryopteris pyramidata* (Fée) Maxon, Contr. U. S. Nat. Herb. 10(7):489. 1908.

THELYPTERIS CLYPEOLUTATA (Desv.) comb. nov., based on *Nephrodium clypeolutatum* Desv., Mém. Soc. Linn. Paris 6:258. 1827. (Type stated to be from Jamaica, probably in error; the type specimen is labelled "in Antillis". So far as now known, this species is endemic to the Lesser Antilles).

THELYPTERIS CONSANGUINEA (Fée) comb. nov., based on *Aspidium consanguineum* Fée, Mém. Foug. 11:76, pl. 20, fig. 3. 1866. (Type from Guadeloupe, *L'Herminier in 1861*).

THELYPTERIS DELICATULA (Fée) comb. nov., based on *Phegopteris delicatula* Fée, Mém. Foug. 11:51, pl. 20, fig. 1. 1866. (Type from Guadeloupe, *L'Herminier in 1864*).

THELYPTERIS GERMANIANA (Fée) comb. nov., based on *Phegopteris germaniana* Fée, Mém. Foug. 11: 55, pl. 13, fig. 2. 1866. (Type from Guadeloupe, *L'Herminier in 1861*).

THELYPTERIS GLANDULOSA (Desv.) comb. nov., based on *Polypodium glandulosum* Desv., Berlin Mag. 5:317. 1811. (Type from the West Indies without exact locality).

THELYPTERIS HYDROPHILA (Fée) comb. nov., based on *Phegopteris hydrophila* Fée Mém. Foug. 11: 56, pl. 13, fig. 3. 1866. (Type from Guadeloupe, *L'Herminier in 1861*).

THELYPTERIS INVISA (Desv.) comb. nov., based on *Nephrodium invisum* Desv. Mém. Soc. Linn. Paris 6:257. 1827; *Polypodium invisum* Sw., Prodr. Veg. Ind. Occ. 133. 1788. (Type from Jamaica, Swartz) (Not Forst., 1786). Syn. *Dryopteris sloanei* Ktze., Rev. Gen. Pl. 2:813. 1891, based on *Nephrodium sloanei* Baker ex Hooker & Baker, Syn. Fil. ed. 2, 263. 1874 (Not Presl, 1825). *Dryopteris oligophylla* Maxon, Contr. U. S. Nat. Herb. 10(7):489. 1908. Under the present International Rules (Art. 72), Maxon's name is illegitimate because not the earliest one available for this species. *Thelypteris oligophylla* Proctor, Bull. Inst. Jamaica, Sci. Ser. 5:62. 1953.

THELYPTERIS LIMBATA (Sw.) comb. nov., based on *Aspidium limbatum* Sw., Jour. Bot. Schrad. 1800²:35. 1801. (Type from Guadeloupe, *Fahlberg*).

THELYPTERIS REPTANS (Gmel.) Morton, var. **TENERA** (Fée) comb. nov., based on *Goniopteris tenera* Fée, Mém. Foug. 11:60, pl. 15, fig. 3. 1866. (Type from Guadeloupe, *L'Herminier in 1861*).

THELYPTERIS RUSTICA (Fée) comb. nov., based on *Phegopteris rustica* Fée, Mém. Foug. 11:55, pl. 13, fig. 1. 1866. (Type from Ravine la Rose de Mateliane, Guadeloupe, *L'Herminier in 1861*). Syn. *Dryopteris dominicensis* C.Chr., Smiths. Misc. Coll. 52:384. 1909. — INSTITUTE OF JAMAICA, KINGSTON, JAMAICA, W. I.